

Application No. 10/606,039

A. AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1-39. (Previously Cancelled)

40-95. (Cancelled)

96. (New) A door comprising:

first and second spaced apart jambs, each jamb having a top end and a bottom end, said jambs operably coupled at their top ends by a header, and operably coupled at their bottom ends by a sill, each of said first and second jambs including a respective interior margin, the first and second jambs, header and sill presenting a door frame movable between a door open and door closed position;

a first screen track operably carried along at least a portion of said first jamb interior margin and a second screen track operably carried along at least a portion of said second jamb interior margin;

a respective screen engaging element operably generally fixedly carried by each of said first and second screen tracks;

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a screen roller assembly operably, rollably carried by said header, said roller assembly including a roller rotatable in a first, screen extending direction, and in an opposed, second, screen retracting direction, and a spring biasing element for urging said roller in said screen retracting direction when said spring biasing element is under tension;

a flexible screen rollably carried by said roller assembly, said screen moving along a generally vertical path of travel between said header and said sill, said screen including a screen end portion extending into said screen tracks, said screen further having opposed screen edge portions substantially free of any support element whereby said screen presents a minimal profile when said screen is retracted onto said roller assembly, said respective screen edge portions receivable within said screen tracks and operably engageable with respective screen engaging elements;

a door insert operably vertically movable along a generally vertical door insert path of travel between an insert raised position and an insert lowered position, the weight of said door insert urging said insert towards said lowered position; and

a screen insert coupling mechanism operably coupling said door insert and said screen, including a spline connector to provide lengthwise operable slidable coupling of said screen end portion with said coupling mechanism, whereby said screen end portion is moved away from said roller when said door insert is moved along said door insert path of travel towards said insert lowered position, the weight of said insert and said spring biasing element cooperatively, operably placing tension on said screen such that said screen edge portions are generally retained between respective screen engaging

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elements, notwithstanding said screen edge portions being substantially free of any support element.

97. (New) The door of claim 96, wherein at least a portion of said screen end portion is generally L-shaped.

98. (New) The door of claim 96, wherein at least one of the first and second jambs includes a first latch element and the door insert includes a second latch element, such that said first and second latch elements are engageable to facilitate selective positioning of said door insert along said vertical door insert path of travel between said insert raised position and said insert lowered position.

99. (New) The door of claim 96, further including a counterbalance mechanism operably coupled to said door insert to facilitate selective positioning of said door insert along said vertical door insert path of travel between said insert raised position and said insert lowered position.

100. (New) The door of claim 96, further including a screen module housing operably carried by said header such that said screen roller assembly is removable from said screen module housing to allow replacement of said screen roller assembly.

101. (New) A door comprising:

first and second spaced apart jambs, each jamb having a top end and a bottom end, said jambs operably coupled at their top ends by a header, and operably

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coupled at their bottom ends by a sill, each of said first and second jambs including a respective interior margin, the first and second jambs, header and sill presenting a door frame movable between a door open and door closed position;

a first screen track operably carried along at least a portion of said first jamb interior margin and a second screen track operably carried along at least a portion of said second jamb interior margin;

a respective screen engaging element operably generally fixedly carried by each of said first and second screen tracks;

a screen roller assembly operably, rollably carried by said header, said roller assembly including a roller rotatable in a first, screen extending direction, and in an opposed, second, screen retracting direction, and a spring biasing element for urging said roller in said screen retracting direction when said spring biasing element is under tension;

a flexible screen rollably carried by said roller assembly, said screen moving along a generally vertical path of travel between said header and said sill, said screen including an end attachment element extending into said screen tracks, said screen further having opposed screen edge portions substantially free of any support element whereby said screen presents a minimal profile when said screen is retracted onto said roller assembly, said respective screen edge portions receivable within said screen tracks and operably engageable with respective screen engaging elements;

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a door insert operably vertically movable along a generally vertical door insert path of travel between an insert raised position and an insert lowered position, the weight of said door insert biasing said insert towards said lowered position; and

a one piece interface element for operably, detachably interconnecting said insert and said screen, said one piece interface including:

channel structure defining a channel adapted to operably fixedly receive said insert;

an engagement element integral with said channel structure, said engagement element presenting an abutment surface for abutably, operably detachably engaging said screen attachment element, whereby said screen attachment element is moved away from said roller when said door insert is moved along said door insert path of travel towards said insert lowered position, the weight of said insert and said spring biasing element cooperatively, operably placing tension on said screen such that said screen edge portions are generally retained between respective screen engaging elements, notwithstanding said screen edge portions being substantially free of any support element.

102. (New) The door of claim 101, wherein at least a portion of said screen end attachment element is generally L-shaped.

103. (New) The door of claim 101, further including a spline connector to provide lengthwise operable slidable coupling of said screen and said one piece interface element.

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104. (New) The door of claim 101, wherein at least one of the first and second jambs includes a first latch element and the door insert includes a second latch element, such that said first and second latch elements are engageable to facilitate selective positioning of said door insert along said vertical door insert path of travel between said insert raised position and said insert lowered position.

105. (New) The door of claim 101, wherein the door insert includes a counterbalance mechanism to facilitate selective positioning of said door insert along said vertical door insert path of travel between said insert raised position and said insert lowered position.

106. (New) The door of claim 101, further including a screen module housing operably carried by said header such that said screen roller assembly is removable from said screen module housing to allow replacement of said screen roller assembly.